Break a Palindrome (View)

Given a palindromic string of lowercase English letters `palindrome`, replace **exactly one** character with any lowercase English letter so that the resulting string is **not** a palindrome and that it is the **lexicographically smallest** one possible.

Return *the resulting string. If there is no way to replace a character to make it not a palindrome, return an **empty string**.*

A string `a` is lexicographically smaller than a string `b` (of the same length) if in the first position where `a` and `b` differ, `a` has a character strictly smaller than the corresponding character in `b`. For example, `"abcc"` is lexicographically smaller than `"abcd"` because the first position they differ is at the fourth character, and `'c'` is smaller than `'d'`.

Example 1:

```
Input: palindrome = "abccba"

Output: "aaccba"

Explanation: There are many ways to make "abccba" not a palindrome, such as
"zbccba", "aaccba", and "abacba".

Of all the ways, "aaccba" is the lexicographically smallest.
```

Example 2:

```
Input: palindrome = "a"

Output: ""

Explanation: There is no way to replace a single character to make "a" not a
palindrome, so return an empty string.
```

Constraints:

- `1 <= palindrome.length <= 1000`
- `palindrome` consists of only lowercase English letters.